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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT Application of )

Peter N. HELLER et al. ) Art Unit: 2151

Serial No. 09/862,492 ) Examiner: Unassigned

Filed: May 23, 2001 )

For: A MULTIMODE MULTICARRIER MODEM )

SYSTEM AND METHOD OF COMMUNICATION )

OVER THE SAME )

INFORMATION DISCLOSURE STATEMENT

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Technology Center 2100

Commissioner for Patents and Trademarks

Washington, D.C. 20231

Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, it is requested that the references listed on the attached Form PTO-1449 be made of record in the above-identified application.

The references listed on the attached Form PTO-1449 were cited in an International Search Report of a counterpart PCT application, namely PCT/US01/16540, on February 26, 2002. Copies of the references are submitted herewith in accordance with 37 C.F.R. 1.98(a), along with a copy of the Search Report.

The documents are being submitted within three (3) months of the filing of this application or entry into the national stage of this application, or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

-2-

The Commissioner is hereby authorized to charge fees under 37 C.F.R. §§1.16, 1.17, 1.20(a), 1.20(b), 1.20(c), and 1.20(d) (except the Issue Fee) which may be required now or hereafter, or credit any overpayment to Deposit Account No. 19-2380 (081513-61).

Respectfully submitted,



\_\_\_\_\_  
Jason H. Vick  
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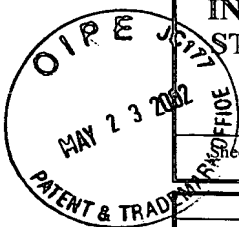
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| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br>(use as many sheets as necessary) |   |    |   | Application Number       |  |
|   |   |    |   | 09/862,492               |  |
|   |   |    |   | Filing Date              |  |
|   |   |    |   | May 23, 2001             |  |
|   |   |    |   | First Named Inventor     |  |
|   |   |    |   | Peter N. HELLER et al.   |  |
|   |   |    |   | Group Art Unit           |  |
|   |   |    |   | 2151                     |  |
|   |   |    |   | Examiner Name            |  |
|   |   |    |   | Unassigned               |  |
|   |   |    |   | Attorney Docket Number   |  |
|   |   |    |   | 081513-61                |  |
| Sheet   | 1 | of | 1 |                          |  |



| U.S. PATENT DOCUMENTS          |                       |                      |                                      |   |   |  |
|--------------------------------|-----------------------|----------------------|--------------------------------------|---|---|--|
| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant<br>Passages, Figures, etc. |
|                                |                       | Number               | Kind Code <sup>2</sup><br>(if known) |   |   |  |
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|                                |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>2</sup><br>(if known) |   |   |  |                |
|                                |                       | EP                      | 0 806 852           | A2                                   | TIMM, W.C et al.                                | 11-12-1997  |  |                |
|                                |                       | PCT                     | WO 00/01136         |                                      | COLE, T.L. et al.                               | 01-06-2000  |  |                |
|                                |                       |                         |                     |                                      |   |   |  |                |
|                                |                       |                         |                     |                                      |   |   |  |                |
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| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |                       |   |                |
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|   |                       | International Search Report, Application No. PCT/US 01/16540, Mailing Date: February 26, 2002   |                |
|   |                       | Adriaensen K. et al., "Single Chip DMT-Modem Transceiver for ADSL", pp. 123-126, Alcatel Telecom (Microelectronics Department)  |                |
|   |                       |   |                |

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